

Date: Thu, 16 Dec 93 13:29:24 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1470
To: Info-Hams

Info-Hams Digest Thu, 16 Dec 93 Volume 93 : Issue 1470

Today's Topics:

*** R-U-A GENIE Garage Door Opener Guru???.....Talk To Me!!!!..please?
 Adapting Larsen whip to swivel mount.
 Alinco dj-f1t battery packs
 Arizona repeater info needed
 FM stories wanted for QST
 NETMGR a tool for R.O.S.E.
 Reference for xmit tubes?
Request for favor -- 70's US Callbook lookup
 Scratchi, January, 1960
 TH-78 info request
 WWVB decodig

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 16 Dec 93 20:49:36 GMT
From: ogicse!cs.uoregon.edu!sgiblab!swrinde!news.dell.com!pmafire!
 usenet@network.ucsd.edu
Subject: *** R-U-A GENIE Garage Door Opener Guru???.....Talk To Me!!!!..please?
To: info-hams@ucsd.edu

I have had some experience as a commercial two-way radio tech, and as
a result have recently been "suckered" into helping a friend fix his
Genie Garage Door Opener. If you are at all knowledgable about these
things, could you PLEASE be filled with Christmas Spirit and help
a guy, whos helping another guy???? :-)))
Here are some of the questions I have:

(by the way,....the mech. portion of the door opener is working fine)

*The receiver is a model "AR-75" and also states a freq. of "310"
Does this mean that the transmitter and receiver operate on 310.000Mhz.,
or just within this general freq. band???

*This is an older system that uses a plastic "code key" that allows small
jumpers or fingers to make contact with ground. How does changing this
code effect the carrier? Is the freq. pulse modulated or other?

*What is the best method to align the transmitters with the receiver?
(I do have access to an FM service monitor, freq. counter, wattmeter, etc.)

ANY help or suggestions you might have would be VERY MUCH APPRECIATED,
and might even get you on my "Christmas List"!!! :-)

Please email "jeffl@pmafire.inel.gov"

Thanks again and Happy Holidays!
Jeff

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-----
|| ~~~~~ || ~~~~~ ||
|| Jeff B. Later WB7TZA "jeffl@pmafire.inel.gov" | "I have become ||
|| *"Disclaimer, Disclaimer, Where's My Lawyer!"* | comfortably numb" ||
|| | Pink Floyd ||
|| ~~~~~ ||
| ~~~~~ |
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Date: 16 Dec 93 17:42:45 GMT
From: ogicse!cs.uoregon.edu!sgiblab!uhog.mit.edu!xn.ll.mit.edu!ll.mit.edu!
wjc@network.ucsd.edu
Subject: Adapting Larsen whip to swivel mount.
To: info-hams@ucsd.edu

I am trying to find an adapter to connect a Larsen whip to the
3/8"-24 hole on a standard car swivel mount. Something which has a
3/8"-24 thread on one end and a 0.100" hole with a set screw on the
other would do it. Even better would be something threaded 3/8"-24
on one end and 5/16"-24 (standard Larsen thread for antenna cones and
springs) on the other.

I'll probably just make my own adapter in the machine shop, but I'm
amazed that no company seems to manufacture such a device. Does
anyone know of a source?

73

Bill Chiarchiaro N1CPK
wjc@ll.mit.edu

Date: 9 Dec 1993 06:58 EDT
From: haven.umd.edu!cs.umd.edu!skates.gsfc.nasa.gov!nssdca.gsfc.nasa.gov!
stocker@uunet.uu.net
Subject: Alinco dj-f1t battery packs
To: info-hams@ucsd.edu

In article <1993Dec8.145223.9719@CERIS.Purdue.EDU>, dheisler@CERIS.Purdue.EDU
(Dave Heisler) writes...

>I have a dj-f1t with the 7.2 volt 700 ma
>battery. it won't hold a charge anymore
>so i was considering getting the 12 volt
>battery.
>
>is it thicker than the 7.2 pack? and
>does the pack come with the correct charger stand
>or is that an extra?
>
>thanks
>dave

It is slightly thicker but not too much. It also gets a little warmer when
used than the 7.2. The charger stand that is used for the 7.2 can also be
used for the 12. At least the one I have can use it and it is just the
standard Alinco charger for the F1JT

Erich
N3oxm

Date: 16 Dec 93 20:52:21 GMT
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!sdd.hp.com!col.hp.com!fc.hp.com!
paulc@network.ucsd.edu
Subject: Arizona repeater info needed
To: info-hams@ucsd.edu

Thanks to all for the responses! I think I have the information I need.

-Paul C.

Date: 13 Dec 93 11:39:25 EST
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!pipex!sunic!psinntp!psinntp!
arrl.org@ames.arpa
Subject: FM stories wanted for QST
To: info-hams@ucsd.edu

As conductor of the FM column in QST magazine, I'm working on a possible upcoming article about operating VHF/UHF FM from outside the US. The idea is to let VHF/UHF FM users know what kinds of things (good and not-so-good) can be expected if, for example, they bring a hand-held transceiver along on a vacation or business trip to the Caribbean, Europe, Asia, Australia, etc.

If anyone has had a FIRST-HAND opportunity with operating VHF/UHF FM outside the continental US, please shoot me a note about your personal experience. I'd like to hear about obtaining licensing/operating permission, use of repeaters/simplex, popular bands/frequencies, unusual operating practices, bringing equipment into other countries, if social contacts resulted, etc. Perhaps I'll be able to "anthologize" several people's stories in one column or in serial form. Depends on the response.

Reminder: I don't like to write the column; it's a forum for *you*! We want ARRL Members from all over the world to share your thoughts on Amateur Radio FM operating and technology. We're always looking for *any* interesting stories, anecdotes, suggestions, comments, case histories, photographs, opinions, etc, for the FM column... so send 'em in!

Thanks for your help and happy holidays!

CUL es 73 de BB

* * * * *
* * HAPPY HOLIDAYS FROM THE STAFF AT WS10 RADIO! * *
* * * * *

Brian Battles, WS10 I Internet bbattles@arrl.org I "Radio amateurs
QST Features Editor I Compu\$erve 70007,3373 I do it with high
ARRL HQ I NVN bbattles I frequency"
Newington, CT USA 06111 I MCI Mail 215-5052 I
Tel 203-666-1541 I Amprnet ws10@ws10-2.ampr.org [44.88.2.43]
Fax 203-665-7531 I Amateur packet WS10 @ W1EDH.CT.USA.NA

COMMENTS EXPRESSED HEREIN ARE MY OWN PRIVATE, PERSONAL REMARKS
AND ARE IN NO WAY TO BE CONSIDERED OFFICIAL ARRL VIEWS OR POLICY.

Date: Thu, 9 Dec 1993 09:14:49 GMT
From: pipex!uknet!bradford.ac.uk!K.E.Walton@uunet.uu.net
Subject: NETMGR a tool for R.O.S.E.
To: info-hams@ucsd.edu

How about posting on ucsd.edu this has already got a good collection of
ham software, and wuarchivw.wustl.edu and simtel just for good measure.

--
//// Computer Science Student Email : K.E.Walton@Bradford.AC.UK ////
//// Bradford University Snail Mail : 38 Fieldhead Street ////
//// England Bradford, West Yorks, ////
//// Call Sign : G7PMO ENGLAND, BD7 1LP ////

Date: Wed, 15 Dec 1993 04:38:58 GMT
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!agate!msuinfo!
harbinger.cc.monash.edu.au!bruce.cs.monash.edu.au!trlluna!titan!pcies4.trl.OZ.AU!
drew@network.ucsd.edu
Subject: Reference for xmit tubes?
To: info-hams@ucsd.edu

In article <CHzFzA.Hw3@cdsmail.cdc.com> molson@bml4380.cpg.cdc.com (Mark Olson)
writes:

>From: molson@bml4380.cpg.cdc.com (Mark Olson)
>Subject: Reference for xmit tubes?
>Date: Mon, 13 Dec 1993 16:47:34 GMT
>
> Can anyone point me to a reference for transmitting tubes?
>I used to have the RCA Transmitting Tube Manual but it
>took the long hike with a lot of my other "old" stuff.
>
>Now I need information about the 4X and 4CX series
>of xmit tubes: 4X150 series, 4CX250 and 4CX350 series,
>and I cannot find anything but cursory information
>about these.
>
> I suppose I could check the library but I doubt they
>carry manuals as old as these. I sure wish I hadn't
>been so zealous in getting rid of my old "junk"....
>
>Thanks!

>

>Mark Olson AA0MH

Mark, see if you can get a copy of "Care and Feeding of Power Grid Tubes" Published by Varian Eimac Div., a very handy reference. Library of Congress No. 67-30070 (re-printed several times) Price about \$6.

73, Drew, VK3XU. Telecom Australia Research Laboratories

Date: Thu, 16 Dec 1993 17:46:04 GMT
From: news.service.uci.edu!ttinews!calvin.tti.com!cole@network.ucsd.edu
Subject: Request for favor -- 70's US Callbook lookup
To: info-hams@ucsd.edu

If anybody in Netland has a mid- to late-Seventies US Callbook, I'm looking for the name and address of the holder of the call WA6PPP during that period. He would have lived in the LA or Long Beach area. I'd be very grateful if someone could look him up and send me the info.

73 es Season's Greetings,
Randy Cole
KN6W

Date: Wed, 15 Dec 93 15:12:06 GMT
From: netcomsv!butch!rapnet!news@decwrl.dec.com
Subject: Scratchi, January, 1960
To: info-hams@ucsd.edu

In article <755848184snx@skyld.tele.com> jangus@skyld.tele.com (Jeffrey D. Angus) writes:

>Path: rapnet!butch!uunet!elroy.jpl.nasa.gov!decwrl!news.kpc.com!amd!netcomsv!
bongo!skyld!jangus
>From: jangus@skyld.tele.com (Jeffrey D. Angus)
>Newsgroups: rec.radio.amateur.misc
>Subject: Scratchi, January, 1960
>Distribution: world
>Message-ID: <755848184snx@skyld.tele.com>
>References: <yTqgec5w165w@ham.almanac.bc.ca>
>Date: Tue, 14 Dec 93 05:49:44 GMT
>Organization: Grendel's Lair
>Lines: 33

>In article <yTqgec5w165w@ham.almanac.bc.ca> emd@ham.almanac.bc.ca writes:

> > What was accepted then by the average person and what is acceptable now
> > has obviously changed, as have many other things in our society. "Amos
> > 'n' Andy" wouldn't get the same reaction today that it did in the
> > forties, either.

> (To those of you betting that I would get involved in this, collect your
> money.)

> Amos 'n Andy were played by white folks. They was funny back then, and
> they is still funny now. Rochester (Jack Benny's man-servant) was black,
> not a white guy playing a black man. The humor in both shows was based
> on situations. (Geeze, situation comedies, what a concept!) Jack Benny
> because he was cheap, and A 'n A because they were poor and a tad dim.

> If you wish to presume that I think all blacks are like those portrayed in
> Amos 'n Andy, simply because I find it humorous, you've lost your mind.
> And I refuse to appologize for finding it humorous.

> You should rent the tape "Raw" by Eddie Murphy and then come back and tell
> me about racist stereotypes.

> On prejudice, "I love women, but I wouldn't want my sister to marry one."
> 73 es GE from Jeff

> Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA	"It is difficult to imagine our
>Internet: jangus@skyld.tele.com	universe run by a single omni-
> US Mail: PO Box 4425 Carson, CA 90749	potent god. I see it more as a
> Phone: 1 (310) 324-6080	badly run corporation."

Exactly! 100% correct Jeff....at last, someone who understands the real
issue.

73 and have a happy!

-=Joel=-

===

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| ~~~~~|
| Joel B. Chappell - KC1SG                Lockheed Sanders |
| Principal Engineer                      Nashua, NH 03061   |
|                                         |
|      -= Standard Disclaimer: All opinions are mine. -=    |
|                                         |
| jchappel@rapnet.sanders.lockheed.com    |
| Fido: 1:132/204.1                        |
| ~~~~~|

```

Date: Mon, 13 Dec 1993 20:47:44 GMT
From: uchdcc!tunga!ce2usm@uunet.uu.net
Subject: TH-78 info request
To: info-hams@ucsd.edu

'lo again...
Some days ago I was reading this list and I saw an article about
battery life of TH-78... (or TH-77...???) well... I'm not sure
100%... but in any way I saved the post but I can't find it now... :)
Could somebody post it again..?? I guess I'm not the only one who
saved the post.. so I hope somebody still have the file in a dark
corner of the HD..;))
Thanks in advance....
73 & DX from Chile....

ROD.
CE6NUG
ce2usm@inf.utfsm.cl

Date: 16 Dec 1993 15:13:49 +0100
From: sdd.hp.com!nigel.msen.com!usenet.ins.cwru.edu!howland.reston.ans.net!pipex!
uknet!EU.net!sun4nl!hacktic!not-for-mail@network.ucsd.edu
Subject: WWVB decodig
To: info-hams@ucsd.edu

Hi all,

I'm wondering if there are any schematics on boards for receiving (and
possibly decoding) the WWVB transmitter signals.

Maybe there are commercial boards available as well?

Looking forward to hear from you. Please email me a copy of your posting
also. Tnx!

Regards,

fro@hacktic.nl
Frank Oppedijk
PA3FLV

Date: 13 Dec 1993 22:10:33 GMT

From: europa.eng.gtefsd.com!howland.reston.ans.net!noc.near.net!
transfer.stratus.com!sw.stratus.com!fms@uunet.uu.net
To: info-hams@ucsd.edu

References <DTD8Dc3w165w@mystis.wariat.org>, <2ear03\$ssg@panix.com>,
<1993Dec13.170402.29209@ke4zv.atl.ga.us>.st
Subject : Re: ARRL's callsign admin position

In article <1993Dec13.170402.29209@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:

> In article <2ear03\$ssg@panix.com> kb7uv@panix.com (Andrew Funk) writes:
> >
> >Steve also has an active division "cabinet" made up of all division-level
> >appointees, SMs, section-level appointees, and selected others. Before
> >each ARRL board meeting he holds a division cabinet meeting to determine
> >the position of the division. Quite a number of ARRL Board policies come
> >from these meetings, as Steve brings *into* the boardroom the desires and
> >opinions of the membership in the Hudson Division.
>
> This is a perfect example of the old boy network in action. The "cabinet"
> is composed of Steve's appointees. Naturally they reflect his own views
> to a large extent. While the intent may be to keep a large number of eyes
> and ears out in the division, and that's good, the result is often, though
> not certain in this particular case, to be more of an amen chorus from
> the choir. The current field organization is machine politics at its
> most raw.
>

I can't answer for Steve's cabinet, but I can answer at least somewhat for Bill Burden's. Bill WB1BRE is the New England Division Director. Like Steve, Bill also runs a cabinet meeting a week or two before the Board of Directors meet. Bill invites his vice-director, all division appointees, all Section Managers and their appointees, the Presidents of all ARRL-affiliated clubs in the division (the clubs may, at their discretion, send someone other than the club president), and selected others. He tries to make his agenda known to these folks beforehand, so that they may solicit input on the discussion topics. If there are issues that he wants very wide input on, he sends out a division newsletter with a questionnaire (and if not enough people respond to the questionnaire, he sends his cabinet members out to clubs, etc. with questionnaires). As president of our radio club, I've attended two of the NE Division cabinet meetings now, and I can tell you that they are hardly an "amen chorus"! There are some very outspoken people in the leadership of the sections and the division, and believe me, not everyone agrees with everyone else.

Does Bill listen to his cabinet? Yes, but he also lets them know what he's heard from the membership at large, and he incorporates that into his words and actions as well.

Bill uses the cabinet meeting as a sounding board, as a chance to get to know the ARRL and club leadership (SMs, appointees) in his division, and as a chance to educate those leaders about issues involving Amateur Radio, the ARRL, the FCC, etc. Each of the cabinet members has his own reasons for attending.

> The problem with the League structure as I see it is that it's a
> one party state controlled mainly by the apparatchiki. It needs a
> strong loyal opposition to keep it vigorous and honest. I think
> more directors would help, and directors drawn not just on geographic
> sections but also from interest groups in amateur radio. If we had
> a director from the DX community, a director from the packet community,
> a director from the repeater community, etc in addition to the geographic
> sections, we'd likely get a more responsive organization.

Possibly. It's also possible we'd get a more divided organization -- consider how well DXers and Contesters, repeater owners and weak-signal folks, CW fans and haters, etc. get along now (okay, okay, so I've been reading too much r.r.a.policy lately! I keep forgetting the Internet isn't a good cross-section of the amateur world... :-)

I do know that at least some of the directors currently get input on some of these topics (digital considerations, DX, repeater issues, etc.) from the ARRL committees whose purpose it is to oversee the particular area(s) in question. If I remember correctly, reports from these committees are given at each Board meeting; I do know that Bill WB1BRE often (always?) invites the New England representatives of any of these committees to his cabinet meetings. My hope is that other division directors would do the same, though I realize that may only be wishful thinking...

> I also think
> it would be good if members of the field organization were also elected
> by the groups they would serve, IE traffic people would select their
> managers etc. This happens to an extent informally now, but I think
> it should be more of a formalized "merit board" type of thing to
> reduce the machine politics in the present field organization.
> (Lord knows though that it's hard enough to find *any* volunteers
> to take some of these jobs.)

Amen to that! Volunteerism is not a popular thing these days. And I suspect that's why elections aren't held at these levels. It's tough enough finding folks to run for Section Manager... Interesting thought, though.

73 de Faith N1JIT

--

Faith M. Senie InterNet: fms@vos.stratus.com
Stratus Computer, Inc. InterNet: fms@hoop.sw.stratus.com

55 Fairbanks Blvd. Pkt Radio: n1jit@wa1phy.ma.usa.na
Marlboro, MA 01752 Phone: (508)460-2632

Curiosity doesn't flourish among the burned-out...

Date: Mon, 13 Dec 93 20:16:05 GMT
From: haven.umd.edu!news.umbc.edu!eff!news.kei.com!uhog.mit.edu!xn.ll.mit.edu!
ll.mit.edu!wjc@ames.arpa
To: info-hams@ucsd.edu

References <1993Dec8.184205.20082@ll.mit.edu>,
<1993Dec9.162128.12183@ke4zv.atl.ga.us>, <1993Dec11.002450.28476@cirrus.com>
Subject : Re: hypochondriac scared of cancer!

In article <1993Dec11.002450.28476@cirrus.com>, ebs@csparc046.cirrus.com (eric
smith) writes:

|>
|> ...stuff deleted...
|>
|> 3. Ground wave reflections add in phase with the incident wave.
|> As soon as the wave travels 70ft or so we will have ground
|> wave reflections and standing waves.
|>
|> ...stuff deleted...
|>
|> 3. Total power density $PD = PI + PR(\text{reflected power}) = 2*PI$
|>
|> ...stuff deleted...
|>

Since we're dealing with coherent fields, wouldn't the total field
strength be doubled, giving a quadrupling of the power density?

73

Bill Chiarchiaro N1CPK
wjc@ll.mit.edu

Date: Thu, 16 Dec 1993 13:48:44 GMT
From: netcomsv!netcom.com!greg@decwrl.dec.com
To: info-hams@ucsd.edu

References <kHXFec2w165w@p-cove.UUCP>, <gregCI2vzn.3Hs@netcom.com>,
<2eoare\$6ru@slinky.cs.nyu.edu>
Subject : Re: R/C Aircraft

In article <2eoare\$6ru@slinky.cs.nyu.edu> jackson@longlast.cs.nyu.edu (Steven Jackson) writes:

>

>uh oh, I knew I shouldn't have said 'packet'.

It's good that you did! When we hams think of digital communications, we tend to forget that there are other modes, and that there are reasons for selecting specific protocols. The books don't say much about this kind of stuff (well, not the ham radio books, anyhow).

>|> But the gutted laptop probably wouldn't tolerate the vibration inherent
>|> in the aircraft.

>

>why not? even with absorbing mounts? I've seen some pretty high shock
>absorbtion figures for hard drives of late.

Yeah, I know. But think about all those solder joints, all done to consumer-electronics specs... ...ugh.

Really, the vibration is awful. And the mounts tend to absorb more shock than vibration.

I'd look to the commercial world, to some simple process-control computers used for embedded systems (help me out, some of you control-systems designers!). There are small computers that are designed for dedicated applications in hostile environments. You could load up the RAM and then leave the disk drives on the ground, or even embed control program in non-volatile memory. Considering that the hard drive is three times the weight of a good-sized control computer...

>

>I don't really want to receive anything until the flight is complete.
>I just want a motherboard, soundcard (with scsi port) and scsi-2 hard
>drive hanging off the soundcard.

Hey, if you insist... ...but (tempt tempt) wouldn't it be interesting to be recording and processing telemetry on the ground while someone else flew the airplane? (Hey, Joe, that was a 6G turn!).

In the event of a failed mission (or the unlikely event of a water landing), you'd have data right up until time of death.

>I just don't want to have to work out an externally accessible diskette drive
>and monitor/keyboard port. Think of it as a computer with a wireless remote
>keyboard and monitor.

Ah! Here's where knowledge of how R/C aircraft are constructed actually
would help. ALL of them have big access hatches (usually the wing
unbolts) to get at the radio. The charging connections and such
are frequently inside. So could be your serial port.

Again, go for a simple computer that talks, either via a radio
link or via a serial cable, to another, more sophisticated computer.

Bear in mind, when you think about flying it anywhere, that you have
a liability problem. You can't fly R/C, and be insured, except at an
AMA sanctioned field. That means no coverage of news events. Your
altitude is also limited by FAA regs, so you can't foul up air
traffic. By the way, people have been sued for millions after their
airplane whacked someone, so this is not trivial matter.

>
>Even if the video doesn't work at first, anyone can make up a timer and
>tape a wire to an automatic camera and take beautiful shots from the sky.

ATV from R/C airplanes has been a popular activity for a while.

>I was also mainly interested in some type of computer mode transmissions
>to get around the 1 watt maximum PEP for r/c transmitters.

I'd hope that if you're a ham you'd make use of your license and use
the 50Mhz band.

If the computer
>that someone that someone knew has installed a small camera in the nose
>of his model plane so he could fly it by looking at a monitor in his
Greg

End of Info-Hams Digest V93 #1470

